Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/03/2022 08:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124146	-1	1.56	124022	1.57
Blue	F	SSC	125000	123153	-2	3.02	123634	2.84
Blue	E	FITC	13602	13133	-4	2.32	362	13.43
Blue	D	PE	24891	24540	-2	1.81	576	10.64
Blue	B	PerCP-Cy5-5	33972	32902	-4	3.87	928	14.80
Blue	A	PE-Cy7	22865	22288	-3	9.51	474	32.50
Red	C	APC	47198	46238	-3	4.92	1587	12.24
Red	A	APC-Cy7	26454	25280	-5	11.72	710	19.15
Violet	B	V450	6737	6418	-5	3.65	417	12.26
Violet	A	V500	29317	28353	-4	3.15	946	8.20

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23636	2.49	557	22	N/A	N/A	Pass
Blue	F	SSC	55293	2.19	513	-8	N/A	N/A	Pass
Blue	E	FITC	55	57.02	482	-2	0.0493	280	Pass
Blue	D	PE	112	37.53	485	-1	0.3510	215	Pass
Blue	B	PerCP-Cy5-5	144	42.57	579	0	0.0215	119	Pass
Blue	A	PE-Cy7	81	80.63	634	13	0.0203	0	Pass
Red	C	APC	334	26.38	578	6	0.0282	200	Pass
Red	A	APC-Cy7	135	41.62	572	21	0.0036	635	Pass
Violet	B	V450	66	54.36	445	-5	0.0526	2215	Pass
Violet	A	V500	106	33.98	464	-5	0.0289	1328	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/03/2022 08:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.64 - 71.46	N/A	N/A	-32.76	-32.44	1.11
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	17.56	13.90 - 20.86	N/A	N/A	30.61	30.94	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9927

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments